Annual Biomedical Research Conference for Minority Students

Preparing the Most Diverse Next Generation of Scientific Leaders

ABRCMS 2021
November 10–13, 2021 | Virtual

Preliminary Program

Managed by
AMERICAN SOCIETY FOR MICROBIOLOGY

Funded by
National Institute of General Medical Sciences
ABRCMS recognizes the significant challenges COVID-19 has placed on the scientific and educational communities. In response, ABRCMS has transitioned to a virtual meeting (ABRCMS 2021), which will be held November 10 – 13, 2021.

Take a sneak peek into ABRCMS 2021.

Join the Conversation. Follow us on Twitter, Facebook, and Instagram to get the latest updates, opportunities, and featured speakers at ABRCMS 2021.

facebook.com/ABRCMS
twitter.com/ABRCMS
instagram.com/ABRCMS

Don’t forget to use the hashtag #ABRCMS2021

ePosters. Check out the student ePoster feature, which will be available to all attendees from November 10 – 13. Attendees will have access to ePosters and a 5-7 minute video presentation at any time on any device.

Live Chats. Network with your peers and scientific professionals. Join an informal discussion on varied special-interest topics, career pathways, and opportunities in your scientific disciplines.

Calling All Exhibitors. Connect with the most talented and diverse STEM students by offering a presence at the ABRCMS 2021 and one-on-one interactions/group chats. Check out the Exhibitor Opportunities and reserve your booth or spotlight today.

Registration. Registration is now OPEN.

<table>
<thead>
<tr>
<th>Registration Type</th>
<th>Registration Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community College, Undergraduate, and Postbaccalaureate Student</td>
<td>$100.00</td>
</tr>
<tr>
<td>Graduate Student and Postdoctoral Scientist</td>
<td>$100.00</td>
</tr>
<tr>
<td>Nonstudent</td>
<td>$100.00</td>
</tr>
<tr>
<td>Exhibitor</td>
<td>$100.00</td>
</tr>
</tbody>
</table>

To register, visit: www.abrcms.org/register

ADA Services. Pursuant to the Americans with Disabilities Act, if you require services or aids to participate fully in ABRCMS 2021, please be sure to indicate this in the registration portal.

ABRCMS Code of Conduct. The Annual Biomedical Research Conference for Minority Students (“ABRCMS”), managed by the American Society for Microbiology (“ASM”), is one of the nation’s largest conferences for underrepresented students in STEM.

ASM prohibits and will not tolerate any form of harassment or bullying at its events, whether the event is in-person or virtual. For more information, visit: www.abrcms.org/coc

This schedule is subject to change. All session times are Eastern (EST).

Time Zone Conversions:
• Noon – 8:00 p.m. (EST)
• 11:00 a.m. – 7:00 p.m. (CST)
• 10:00 a.m. – 6:00 p.m. (MST)
• 9:00 a.m. – 5:00 p.m. (PST)
Thursday, Nov. 11
Keynote
12:00 – 1:00 p.m. EST

Eddie S. Glaude, Jr., Ph.D.
New York Times Bestselling Author & Chair of Princeton’s Department of African American Studies

Friday, Nov. 12
Scientific Keynote
12:00 – 12:30 p.m. EST

Akiko Iwasaki, Ph.D.
Waldemer von Zedtwitz Professor of Immunobiology Investigator at Howard Hughes Medical Institute

Friday, Nov. 12
Scientific Keynote
12:30 – 1:00 p.m. EST

Ashish K. Jha, M.D., M.P.H.
Dean of the School of Public Health, Professor of Health Services, Policy and Practice, Brown University School of Public Health
CONCURRENT SCIENTIFIC FLASH TALKS

Friday, November 12 | 4:25 – 4:40 p.m.

Scientific Discipline: Microbiology
Cell Signaling Molecules in Human Disease
**Saira Bano, Ph.D.**, Jinnah University for Women, Karachi, Pakistan

Scientific Discipline: Physiology & Pharmacology
Non-Alcoholic Fatty Liver Disease and Drug Transporters: What is the Connection?
**José Manautou, Ph.D.**, University of Connecticut, Storrs, CT

Scientific Discipline: Social & Behavioral Sciences and Public Health
How Can Personality Science Help Us Understand Impacts of the COVID-19 Pandemic
**Jordan Booker, Ph.D.**, University of Missouri, Columbia, MO

Scientific Discipline: Cell Biology
Cell Organization Leading to Cell Diversity: An Imaging Journey
**Blake Riggs, Ph.D.**, San Francisco State University, San Francisco, CA

Scientific Discipline: Engineering, Physics, and Mathematics
Using the Microbiome in Orthopedic Biomechanics
**Christopher Hernandez, Ph.D.**, Cornell University, Ithaca, NY

Scientific Discipline: Biochemistry and Molecular Biology
Title Coming
**Naomi Ruth Lee, Ph.D.**, Northern Arizona University, Flagstaff, AZ

Friday, November 12 | 4:45 – 5:00 p.m.

Scientific Discipline: Neuroscience
Title Coming
**Yarimar Carrasquillo, Ph.D.**, National Center for Complementary and Integrative Health, NIH, Bethesda, MD

Scientific Discipline: Developmental Biology & Genetics
How to Make a Living, Human, Cardiac Muscle Pump
**Brenda Ogle, Ph.D.**, University of Minnesota, Minneapolis, MN

Scientific Discipline: Cancer Biology
Race vs. Ancestry in Cancer Research
**Melissa Davis, Ph.D.**, Cornell University, Ithaca, NY

Scientific Discipline: Immunology
Sending Cancer-Fighting T Cells to Martial Arts School: The Cell Therapy Revolution
**Avery Posey, Jr., Ph.D.**, University of Pennsylvania, Philadelphia, PA

Scientific Discipline: Computational & Systems Biology
How Mathematical Modeling Can Help Improve Cancer Treatment
**Stacey Finley, Ph.D.**, University of Southern California, Viterbi, Los Angeles, CA

Scientific Discipline: Chemistry
Improving Health with Human Milk
**Steven Townsend, Ph.D.**, Vanderbilt University, Nashville, TN
Preliminary Program

This schedule is subject to change.

Wednesday, November 10

WELCOME REMARKS
Noon – 12:15 p.m.
(Recommended for All Attendees)

SPEAKERS
• Alison Gammie, Ph.D., National Institute of General Medical Sciences, NIH, Bethesda, MD
• Avery August, Ph.D., Cornell University, Ithaca, NY

OPENING KEYNOTE ADDRESS
12:15 – 1:00 p.m.
(Recommended for All Attendees)

SPEAKER
• Lizzie Velasquez, Global Motivational Speaker, YouTube Personality, Anti-bullying Activist and Author

LIVE CHAT BY SPECIAL-INTEREST TOPICS

LIVE CHAT 1
1:15 – 1:45 p.m.
Journey to Authenticity – In the Lab and Beyond
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

FACILITATORS
• Vanessa Fleites, Ph.D. Candidate, University of Pennsylvania, Philadelphia, PA
• Maya Hale, Ph.D. Candidate, University of Pennsylvania, Philadelphia, PA
• Lisa Lim, M.A., University of Pennsylvania, Philadelphia, PA
• Franklin Staback Rodriguez, Ph.D. Candidate, University of Pennsylvania, Philadelphia, PA
• Romaine Wright, M.S., Charles River Laboratories, Horsham, PA

LIVE CHAT 2
1:15 – 1:45 p.m.
Building Bridges of Access: The power of mentoring to increase diversity within STEM careers
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

FACILITATORS
• Donmonique Chambliss, M.S., Stem Hub for Industry Networking and Exchange, Los Angeles, CA
• Damaris Javier, M.A., National Research Mentoring Network, Fort Worth, TX
• Katie Stinson, MLIS, National Research Mentoring Network, Fort Worth, TX

LIVE CHAT 3
1:15 – 1:45 p.m.
How to D.I.E. (Diversity, Inclusion, and Equity) the Right Way
(Recommended for Graduate Students and Postdoctoral Scientists)

FACILITATOR
• Irelene Ricks, Ph.D., Urban One, Silver Spring, MD

LIVE CHAT 4
1:15 – 1:45 p.m.
NIH Grants 101 & Early Career Reviewer Program
(Recommended for Nonstudents)

FACILITATORS
• Jacinta Bronte-Tinkew, Ph.D., National Institutes of Health, Center for Scientific Review, Bethesda, MD
• Gabriel Fosu, Ph.D., National Institutes of Health, Center for Scientific Review, Bethesda, MD

CONNECT WITH STUDENT PRESENTERS
1:55 – 2:40 p.m.
ePosters: Connect with Student Presenters
(Recommended for All Attendees)

CONNECT WITH EXHIBITORS
2:45 – 3:30 p.m.
Virtual Exhibit Hall & Networking Rooms: Connect with Exhibitors
(Recommended for All Attendees)
CONCURRENT PROFESSIONAL DEVELOPMENT SESSIONS

SESSION 1
3:45 – 4:30 p.m.
The Ins and Outs of Graduate School Panel Discussion
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

MODERATOR
• Nicquet Blake, Ph.D., University of Texas Health Science Center San Antonio, San Antonio, TX

SPEAKERS
• Graduate Students Panel

SESSION 2
3:45 – 4:30 p.m.
Cross-Disciplinary Collaborations: The Benefits and Challenges
(Recommended for Graduate Students and Postdoctoral Scientists)

SPEAKERS
• Peng Chen, Ph.D., Cornell University, Ithaca, NY
• Tobias Doerr, Ph.D., Cornell University, Ithaca, NY
• Christopher Hernandez, Ph.D., Cornell University, Ithaca, NY

SESSION 3
3:45 – 4:30 p.m.
To Err is Human...And It's How We Learn
(Recommended for Nonstudents)

SPEAKER
• Robert Duke, Ph.D., University of Texas at Austin, Austin, TX

CONCURRENT STUDENT LIGHTNING TALKS I

SESSION 1: DEVELOPMENTAL BIOLOGY AND GENETICS
(Recommended for All Attendees)

4:42 – 4:45 p.m.
Presenter 1.1

4:47 – 4:50 p.m.
Presenter 1.2

4:52 – 4:55 p.m.
Presenter 1.3

4:57 – 5:00 p.m.
Presenter 1.4

5:02 p.m.
Breakout Room Discussions (optional)

SESSION 1: CANCER BIOLOGY AND IMMUNOLOGY
(Recommended for All Attendees)

4:42 – 4:45 p.m.
Presenter 2.1

4:47 – 4:50 p.m.
Presenter 2.2

4:52 – 4:55 p.m.
Presenter 2.3

4:57 – 5:00 p.m.
Presenter 2.4

5:02 p.m.
Breakout Room Discussions (optional)

SESSION 1: ENGINEERING, PHYSICS AND MATHEMATICS AND CHEMISTRY
(Recommended for All Attendees)

4:42 – 4:45 p.m.
Presenter 3.1

4:47 – 4:50 p.m.
Presenter 3.2
4:52 – 4:55 p.m.
Presenter 3.3

4:57 – 5:00 p.m.
Presenter 3.4

5:02 p.m.
Breakout Room Discussions (optional)

SESSION 1: NEUROSCIENCE
(Recommended for All Attendees)

4:42 – 4:45 p.m.
Presenter 4.1

4:47 – 4:50 p.m.
Presenter 4.2

4:52 – 4:55 p.m.
Presenter 4.3

4:57 – 5:00 p.m.
Presenter 4.4

5:02 p.m.
Breakout Room Discussions (optional)

EXHIBITOR SPOTLIGHT I

Featured Exhibitors, to include Q&A
(Recommended for All Attendees)

5:13 – 5:18 p.m.
University of Texas Health Science Center at San Antonio

5:20 – 5:25 p.m.
Vet Up! Program at Purdue College of Veterinary Medicine

5:27 – 5:32 p.m.
David Geffen School of Medicine at UCLA

5:34 – 5:39 p.m.
NIH High-Risk High Reward Research Program

5:41 – 5:46 p.m.
Harvard/MIT Health Sciences & Technology (HST)

5:48 – 5:53 p.m.
Albert Einstein College of Medicine - Graduate Programs in the Biomedical Sciences

5:55 – 6:00 p.m.
National Cancer Institute

6:02 – 6:07 p.m.
University of Kentucky College of Pharmacy

6:10 – 6:20 p.m.
General Q&A Session

CONCURRENT STUDENT LIGHTNING TALKS II

SESSION 2: SOCIAL AND BEHAVIORAL SCIENCES AND PUBLIC HEALTH
(Recommended for All Attendees)

6:30 – 6:33 p.m.
Presenter 1.1

6:35 – 6:38 p.m.
Presenter 1.2

6:40 – 6:43 p.m.
Presenter 1.3

6:45 – 6:48 p.m.
Presenter 1.4

6:50 – 6:53 p.m.
Presenter 1.5

6:55 p.m.
Breakout Room Discussions (optional)

SESSION 2: MICROBIOLOGY
(Recommended for All Attendees)

6:30 – 6:33 p.m.
Presenter 2.1

6:35 – 6:38 p.m.
Presenter 2.2

6:40 – 6:43 p.m.
Presenter 2.3
6:45 – 6:48 p.m.
Presenter 2.4

6:50 – 6:53 p.m.
Presenter 2.5

6:55 p.m.
Breakout Room Discussions (optional)

SESSION 2: CELL BIOLOGY
(Recommended for All Attendees)

6:30 – 6:33 p.m.
Presenter 3.1

6:35 – 6:38 p.m.
Presenter 3.2

6:40 – 6:43 p.m.
Presenter 3.3

6:45 – 6:48 p.m.
Presenter 3.4

6:50 – 6:53 p.m.
Presenter 3.5

6:55 p.m.
Breakout Room Discussions (optional)

EXHIBITOR GAME NIGHT/LIVE CHAT WITH EXHIBITORS
7:00 – 8:00 p.m.

PREP SCHOLARS NETWORKING HOUR
8:15 – 9:15 p.m.

Thursday, November 11

LIVE DISCUSSIONS

NIH PROGRAM-SPECIFIC GROUP MEETINGS
(T32, IRACDA, BRIDGES, IMSD, MARC, MSTP, PREP, RISE, SCORE)
11:00 – 11:45 a.m.

LIVE CHAT WITH EXHIBITORS
11:00 – 11:45 a.m.

KEYNOTE ADDRESS
Noon – 1:00 p.m.
(Recommended for All Attendees)

SPEAKER
• Eddie S. Glaude, Jr., Ph.D., New York Times
  Bestselling Author & Chair of Princeton's
  Department of African American Studies

LIVE CHAT BY SPECIAL-INTEREST TOPICS

LIVE CHAT 1
1:15 – 1:45 p.m.
Post Baccalaureate Programs, Tips for Submitting a Successful Application, and Advice on Taking a Gap Year
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

FACILITATORS
• Tameka Clemons, Ph.D., Meharry Medical College, Nashville, TN
• Kimberly Williams, Ph.D., Spelman College, Atlanta, GA
LIVE CHAT 2
1:15 – 1:45 p.m.
Make a Positive Impression: How to Excel in Your Graduate School Interviews
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

FACILITATORS
• Nicquet Blake, Ph.D., University of Texas Health Science Center San Antonio, San Antonio, TX
• Patricia Cameron, Ph.D., Augusta University, Augusta, GA
• Victoria Freedman, Ph.D., Albert Einstein College of Medicine, New York, NY
• Nancy Street, Ph.D., University of Texas Southwestern Medical Center, Dallas, TX

LIVE CHAT 3
1:15 – 1:45 p.m.
How to Find, Secure and Succeed in a Postdoctoral Position
(Recommended for Graduate Students and Postdoctoral Scientists)

FACILITATORS
• Heather Dillon, MSc., University of California, San Diego, CA
• James Gould, Ph.D., Harvard Medical School, Cambridge, MA

LIVE CHAT 4
1:15 – 1:45 p.m.
Team-Based Learning (TBL) and its positive impact on students’ learning and engagement
(Recommended for Nonstudents)

FACILITATORS
• Hossam Ashour, Ph.D., University of South Florida, Tampa, FL
• Hatem Elshabrawy, Ph.D., Sam Houston State University, Huntsville, TX

CONNECT WITH STUDENT PRESENTERS
1:55 – 2:40 p.m.
ePosters: Connect with Student Presenters
(Recommended for All Attendees)

CONNECT WITH EXHIBITORS
2:45 – 3:30 p.m.
Virtual Exhibit Hall & Networking Rooms: Connect with Exhibitors
(Recommended for All Attendees)

TWD-PDO STEERING COMMITTEE MEETING
(FOLLOW-UP DISCUSSION)
2:45 – 3:30 p.m.

CONCURRENT STUDENT LIGHTNING TALKS III
SESSION 3: SOCIAL AND BEHAVIORAL SCIENCES AND PUBLIC HEALTH
(Recommended for All Attendees)

3:45 – 3:48 p.m.
Presenter 1.1

3:50 – 3:53 p.m.
Presenter 1.2

3:55 – 3:58 p.m.
Presenter 1.3

4:00 – 4:03 p.m.
Presenter 1.4

4:05 – 4:08 p.m.
Presenter 1.5

4:10 p.m.
Breakout Room Discussions (optional)
SESSION 3: COMPUTATIONAL AND SYSTEMS BIOLOGY  
(Recommended for All Attendees)

3:45 – 3:48 p.m.  
Presenter 2.1

3:50 – 3:53 p.m.  
Presenter 2.2

3:55 – 3:58 p.m.  
Presenter 2.3

4:00 – 4:03 p.m.  
Presenter 2.4

4:05 – 4:08 p.m.  
Presenter 2.5

4:10 p.m.  
Breakout Room Discussions (optional)

SESSION 3: NEUROSCIENCE  
(Recommended for All Attendees)

3:45 – 3:48 p.m.  
Presenter 4.1

3:50 – 3:53 p.m.  
Presenter 4.2

3:55 – 3:58 p.m.  
Presenter 4.3

4:00 – 4:03 p.m.  
Presenter 4.4

4:05 – 4:08 p.m.  
Presenter 4.5

4:10 p.m.  
Breakout Room Discussions (optional)

SESSION 3: PHYSIOLOGY AND PHARMACOLOGY  
(Recommended for All Attendees)

3:45 – 3:48 p.m.  
Presenter 3.1

3:50 – 3:53 p.m.  
Presenter 3.2

3:55 – 3:58 p.m.  
Presenter 3.3

4:00 – 4:03 p.m.  
Presenter 3.4

4:05 – 4:08 p.m.  
Presenter 3.5

4:10 p.m.  
Breakout Room Discussions (optional)

CONCURRENT PROFESSIONAL DEVELOPMENT SESSIONS

SESSION 1  
4:25 – 5:10 p.m.  
Overcoming Imposter Syndrome  
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

SPEAKER  
• Robert Trevino, M.D., Ph.D., University of Illinois, Peoria, IL

SESSION 2  
4:25 – 5:10 p.m.  
Find Your Circle: Strategies for Support and Wellness in Academia  
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

SPEAKER  
• Isola Brown, Ph.D., University of Michigan, Ann Arbor, MI
SESSION 3
4:25 – 5:10 p.m.
If You Don’t Publish It, You Didn’t Do It
(Recommended for Graduate Students and Postdoctoral Scientists)

SPEAKER
• Victor DiRita, Ph.D., University of Michigan, Ann Arbor, MI

SESSION 4
4:25 – 5:10 p.m.
Strategies for Disability Allyship in STEM and Academia
(Recommended for Nonstudents)

SPEAKERS
• Amanda Klingler, B.S., University of California, Los Angeles, Los Angeles, CA
• Stephen Klusza, Ph.D., Clayton State University, Morrow, GA
• Syreeta Nolan, B.A., Disabled in Higher Ed, San Diego, CA
• Alyssa Paparella, B.S., Baylor College of Medicine, Houston, TX

EXHIBITOR SPOTLIGHT II

Featured Exhibitors, to include Q&A
(Recommended for All Attendees)

5:20 – 5:25 p.m.
UMass Chan Medical School

5:27 – 5:32 p.m.
Purdue University Post-Baccalaureate Research Education Program (PREP) for Translational Biomedical Sciences

5:34 – 5:39 p.m.
National Research Mentoring Network (NRMN)

5:41 – 5:46 p.m.
University of Pittsburg Molecular Cellular and Developmental Biology Graduate Program

5:48 – 5:53 p.m.
MIT Department of Biology

5:55 – 6:00 p.m.
Medical College of Wisconsin

6:02 – 6:07 p.m.
Understanding Interventions (UI) that Broaden Participation in Science Careers

6:10 – 6:20 p.m.
General Q&A Session

CONCURRENT STUDENT LIGHTNING TALKS IV

SESSION 4: SOCIAL AND BEHAVIORAL SCIENCES AND PUBLIC HEALTH AND NEUROSCIENCE
(Recommended for All Attendees)

6:30 – 6:33 p.m.
Presenter 1.1

6:35 – 6:38 p.m.
Presenter 1.2

6:40 – 6:43 p.m.
Presenter 1.3

6:45 – 6:48 p.m.
Presenter 1.4

6:50 – 6:53 p.m.
Presenter 1.5

6:55 p.m.
Breakout Room Discussions (optional)
SESSION 4: BIOCHEMISTRY AND MOLECULAR BIOLOGY
(Recommended for All Attendees)

6:30 – 6:33 p.m.
Presenter 2.1

6:35 – 6:38 p.m.
Presenter 2.2

6:40 – 6:43 p.m.
Presenter 2.3

6:45 – 6:48 p.m.
Presenter 2.4

6:50 – 6:53 p.m.
Presenter 2.5

6:55 p.m.
Breakout Room Discussions (optional)

SESSION 4: MICROBIOLOGY
(Recommended for All Attendees)

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Presenter 3.5

6:55 p.m.
Breakout Room Discussions (optional)

SESSION 4: CANCER BIOLOGY
(Recommended for All Attendees)

6:30 – 6:33 p.m.
Presenter 4.1

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Breakout Room Discussions (optional)

EXHIBITOR GAME NIGHT/LIVE CHAT WITH EXHIBITORS
7:00 – 8:00 p.m.
(Recommended for All Attendees)

DEAF/HARD-OF-HEARING NETWORKING HOUR
8:15 – 9:15 p.m.

Friday, November 12

NIGMS TWD-PDO PROGRAM DISCUSSION
11:00 – 11:45 a.m.

LIVE CHAT WITH EXHIBITORS
11:00 – 11:45 a.m.
(Recommended for All Attendees)

SCIENTIFIC KEYNOTE ADDRESS
Noon – 12:30 p.m.
(Recommended for All Attendees)

SPEAKER
• Akiko Iwasaki, Ph.D., Howard Hughes Medical Institute, Chevy Chase, MD

SCIENTIFIC KEYNOTE ADDRESS
12:30 – 1:00 p.m.
(Recommended for All Attendees)

SPEAKER
• Ashish K. Jha, M.D., M.P.H., Brown University, Providence, RI
LIVE CHAT ON OPPORTUNITIES WITHIN SCIENTIFIC DISCIPLINES
(Recommended for All Attendees)

LIVE CHAT 1
1:15 – 1:45 p.m.
Scientific Disciplines: Social & Behavioral Sciences and Public Health; Neuroscience
(Recommended for All Attendees)

SPEAKERS
• Ebony Glover, Ph.D., Kennesaw State University, Kennesaw, GA
• Ramesh Raghupathi, Ph.D., Drexel University, Philadelphia, PA

LIVE CHAT 2
1:15 – 1:45 p.m.
Scientific Disciplines: Microbiology and Immunology
(Recommended for All Attendees)

SPEAKER
• Kellie Ann Jurado, Ph.D., University of Pennsylvania, Philadelphia PA

LIVE CHAT 3
1:15 – 1:45 p.m.
Scientific Disciplines: Cell Biology; Developmental Biology and Genetics
(Recommended for All Attendees)

SPEAKERS
• Jorge Torres, Ph.D., University of California Los Angeles, Los Angeles, CA
• Michelle Juarez, Howard Hughes Medical Institute, Chevy Chase, MD

LIVE CHAT 4
1:15 – 1:45 p.m.
Scientific Disciplines: Physiology and Pharmacology; Cancer Biology
(Recommended for All Attendees)

SPEAKER
• Francisco J. Sánchez-Rivera, Ph.D., Memorial Sloan Kettering Cancer Center, New York City, NY

LIVE CHAT 5
1:15 – 1:45 p.m.
Scientific Disciplines: Engineering, Physics, and Mathematics; Computational and Systems Biology
(Recommended for All Attendees)

SPEAKER
• Debadyuti Ghosh, Ph.D., The University of Texas at Austin, Austin, TX

LIVE CHAT 6
1:15 – 1:45 p.m.
Scientific Disciplines: Biochemistry and Molecular Biology; Chemistry
(Recommended for All Attendees)

SPEAKER
• Alanna Condren, Ph.D., University of Michigan, Ann Arbor, MI

CONNECT WITH STUDENT PRESENTERS
1:55 – 2:40 p.m.
ePosters: Connect with Student Presenters
(Recommended for All Attendees)

CONNECT WITH EXHIBITORS
2:45 – 3:30 p.m.
Virtual Exhibit Hall & Networking Rooms: Connect with Exhibitors
(Recommended for All Attendees)

NIGMS TWD-PDO PROGRAM DISCUSSION (FOLLOW-UP DISCUSSION)
2:45 – 3:30 p.m.
CONCURRENT STUDENT LIGHTNING TALKS V

SESSION 5: SOCIAL AND BEHAVIORAL SCIENCES AND PUBLIC HEALTH
(Recommended for All Attendees)

3:40 – 3:43 p.m.
Presenter 1.1

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4:05 p.m.
Breakout Room Discussions (optional)

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SESSION 5: ENGINEERING, PHYSICS AND MATHEMATICS
(Recommended for All Attendees)

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Presenter 4.5

4:05 p.m.
Breakout Room Discussions (optional)
CONCURRENT SCIENTIFIC FLASH TALKS

SESSION 1
Scientific Disciplines: Social & Behavioral Sciences and Public Health; Neuroscience
(Recommended for All Attendees)

4:25 – 4:40 p.m.
How Can Personality Science Help Us Understand Impacts of the COVID-19 Pandemic

SPEAKER
• Jordan Booker, Ph.D., University of Missouri, Columbia, MO

4:45 – 5:00 p.m.
Title Coming

SPEAKER
• Yarimar Carrasquillo, Ph.D., National Center for Complementary and Integrative Health, NIH, Bethesda, MD

SESSION 2
Scientific Disciplines: Microbiology; Immunology
(Recommended for All Attendees)

4:25 – 4:40 p.m.
Cell Signaling Molecules in Human Disease

SPEAKER
• Saira Bano, Ph.D., Jinnah University for Women, Karachi, Pakistan

4:45 – 5:00 p.m.
Sending Cancer-Fighting T Cells to Martial Arts School: The Cell Therapy Revolution

SPEAKER
• Avery Posey, Jr., Ph.D., University of Pennsylvania, Philadelphia, PA

SESSION 3
Scientific Disciplines: Cell Biology; Developmental Biology & Genetics
(Recommended for All Attendees)

4:25 – 4:40 p.m.
Cell Organization Leading to Cell Diversity: An Imaging Journey

SPEAKER
• Blake Riggs, Ph.D., San Francisco State University, San Francisco, CA

4:45 – 5:00 p.m.
How to Make a Living, Human, Cardiac Muscle Pump

SPEAKER
• Brenda Ogle, Ph.D., University of Minnesota, Minneapolis, MN

SESSION 4
Scientific Disciplines: Physiology & Pharmacology; Cancer Biology
(Recommended for All Attendees)

4:25 – 4:40 p.m.
Non-Alcoholic Fatty Liver Disease and Drug Transporters: What is the Connection?

SPEAKER
• José Manautou, Ph.D., University of Connecticut, Storrs, CT
4:45 – 5:00 p.m.
Race vs. Ancestry in Cancer Research

SPEAKER
• Melissa Davis, Ph.D., Cornell University, Ithaca, NY

SESSION 5
Scientific Disciplines: Engineering, Physics, and Mathematics; Computational & Systems Biology
(Recommended for All Attendees)

4:25 – 4:40 p.m.
Using the Microbiome in Orthopedic Biomechanics

SPEAKER
• Christopher Hernandez, Ph.D., Cornell University, Ithaca, NY

4:45 – 5:00 p.m.
How Mathematical Modeling Can Help Improve Cancer Treatment

SPEAKER
• Stacey Finley, Ph.D., University of Southern California, Viterbi, Los Angeles, CA

SESSION 6
Scientific Disciplines: Biochemistry and Molecular Biology; Chemistry
(Recommended for All Attendees)

4:25 – 4:40 p.m.
Title Coming

SPEAKER
• Naomi Ruth Lee, Ph.D., Northern Arizona University, Flagstaff, AZ

4:45 – 5:00 p.m.
Improving Health with Human Milk

SPEAKER
• Steven Townsend, Ph.D., Vanderbilt University, Nashville, TN

EXHIBITOR SPOTLIGHT III
Featured Exhibitors, to include Q&A
(Recommended for All Attendees)

5:15 – 5:20 p.m.
NIH: National Institute of Environmental Health Sciences (NIEHS)

5:22 – 5:27 p.m.
Emory University, Laney Graduate School

5:29 – 5:34 p.m.
Washington University in St. Louis - Division of Biology and Biomedical Sciences

5:36 – 5:41 p.m.
University at Buffalo STEAM & Health Sciences

5:43 – 5:48 p.m.
IU School of Medicine Biomedical Science Graduate Programs

5:50 – 5:55 p.m.
Lehigh University

5:57 – 6:02 p.m.
UNC Chapel Hill SOM Biomedical Graduate Education

6:02 – 6:07 p.m.
Northwestern University

6:10 – 6:20 p.m.
General Q&A Session

CONCURRENT PROFESSIONAL DEVELOPMENT SESSIONS

SESSION 1
6:30 – 7:00 p.m.
Goal Setting and Time Management
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

SPEAKER
• Sandra Murray, Ph.D., University of Pittsburgh, Pittsburgh, PA
SESSION 2
6:30 – 7:00 p.m.
Mental Health and Wellness: The Intersection of our STEM Research and Personal Identities
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

SPEAKERS
• D’Anne Duncan, Ph.D., University of California, San Francisco, San Francisco, CA
• Mallory Rice, Ph.D., California State University San Marcos, San Marcos, CA
• Erica Sanchez, Ph.D., San Francisco State University, San Francisco, CA
• Becky Pizer, Psy.D., Wright Institute, Berkeley, CA

SESSION 3
6:30 – 7:00 p.m.
How to be an Effective Self-Advocate
(Recommended for Graduate Students and Postdoctoral Scientists)

SPEAKER
• Shoba Subramanian, Ph.D., University of Michigan, Ann Arbor, MI

SESSION 4
6:30 – 7:00 p.m.
Cultivating Equitable Ecosystems in Academia: A session for faculty, future faculty, and academic leaders
(Recommended for Nonstudents)

SPEAKERS
• Sherilyn Black, Ph.D., Duke University, Durham, NC
• Beronda Montgomery, Ph.D., Michigan State University, East Lansing, MI

EXHIBITOR GAME NIGHT/LIVE CHAT WITH EXHIBITORS
7:00 – 8:00 p.m.
(Recommended for All Attendees)

LGBTQIA+ NETWORKING HOUR
8:15 – 9:15 p.m.

Saturday, November 13

CONCURRENT PROFESSIONAL DEVELOPMENT SESSIONS

SESSION 1
Noon – 12:45 p.m.
M.D.-Ph.D., is it right for me?
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

SPEAKERS
• Brandon Dale, B.S., Mount Sinai School of Medicine, New York, NY
• Elizabeth Juarez Diaz, B.S., Washington University at St. Louis, St. Louis, MO
• Damani Piggott, M.D., Ph.D., The Johns Hopkins School of Medicine, Baltimore, MD

SESSION 2
Noon – 12:45 p.m.
The Gap Year: Creating A Strategy to Pursue Your Dreams
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

SPEAKER
• Tameka Clemons, Ph.D., Meharry Medical College, Nashville, TN

SESSION 3
Noon – 12:45 p.m.
Picking the Perfect Ph.D. Program for You: Why Choose a School with a T32?
(Recommended for Students Interested in the Ph.D. Track)

SPEAKER
• Sharon Milgram, Ph.D., National Institutes of Health, Bethesda, MD
SESSION 4
Noon – 12:45 p.m.
Leveraging CUREs to advance research of graduate students and early career post-docs
(Recommended for Graduate Students and Postdoctoral Scientists)

SPEAKERS
• Christopher Beck, Ph.D., Emory University, Atlanta, GA
• Nicole Gerardo, Ph.D., Emory University, Atlanta, GA
• Jacoby Robinson, Graduate Student, Emory University, Atlanta, GA
• Anna Zelaya, Ph.D., Emory University, Atlanta, GA

SESSION 5
Noon – 12:45 p.m.
Measure your Trainees’ Successful Progress in Your Program
(Recommended for Nonstudents)

SPEAKERS
• Sherilynn Black, Ph.D., Duke University, Durham, NC
• Victoria Freedman, Ph.D., Albert Einstein College of Medicine, New York, NY
• Nancy Schwartz, Ph.D., University of Chicago, Chicago, IL
• Davie Van Vactor, Ph.D., Harvard University, Cambridge, MA

FEATURED CAREER PATHWAY SPOTLIGHT
Sponsored by: Biogen
1:00 – 1:45 p.m.
(Recommended for All Attendees)
Clinical Trialist: A Critical Career Path to Achieve Health Equity

SPEAKER
• Cherié Butts, Ph.D., Biogen, Cambridge, MA
EXHIBITOR SPOTLIGHT IV

Featured Exhibitors, to include Q&A
(Recommended for All Attendees)

2:45 – 2:50 p.m.
St. Jude's Children's Research Hospital Graduate School of Sciences

2:52 – 2:57 p.m.
Scripps Research Institute

2:59 – 3:04 p.m.
Michigan State University Graduate School

3:06 – 3:11 p.m.
Morehouse College-Public Health Sciences Institute

3:13 – 3:18 p.m.
University of Rochester

3:20 – 3:30 p.m.
General Q&A Session

CONCURRENT PROFESSIONAL DEVELOPMENT SESSIONS

SESSION 1
3:45 – 4:30 p.m.
Be a star! How to create a competitive Graduate School application
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

SPEAKERS
- John Augusto, Ph.D., Georgia State University, Atlanta, GA
- Carlos Grijalva, Ph.D., University of California, Los Angeles, CA

SESSION 2
3:45 – 4:30 p.m.
Reframing Disability in STEM
(Recommended for Community College and Undergraduate Students, and Post-Baccalaureates)

SPEAKERS
- Peter J. Grahn, Ph.D., Mayo Clinic, Rochester, MN
- Alexis S. Mobley, M.S., University of Texas MD Anderson Cancer Center, Houston, TX
- Jennifer Tudor, Ph.D., St. Joseph’s University, Philadelphia, PA
- Lauren Ullrich, Ph.D., National Institute of Neurological Disorders and Stroke, NIH, Bethesda, MD
SESSION 3
3:45 – 4:30 p.m.
Money, Mentorship, and Making Moves: Navigating NIH Blueprint and BRAIN Training Awards
(Recommended for Graduate Students and Postdoctoral Scientists)

SPEAKERS
- James Churchill, Ph.D., National Institute of Mental Health, NIH, Bethesda, MD
- Michelle Jones-London, Ph.D., National Institute of Neurological Disorders and Stroke, NIH, Bethesda, MD
- Marguerite Matthews, Ph.D., National Institute of Neurological Disorders and Stroke, NIH, Bethesda, MD
- Ashlee Van’t Veer, Ph.D., National Institute of Mental Health, NIH, Bethesda, MD

SESSION 4
3:45 – 4:30 p.m.
NIGMS Research Training: An overview of NIGMS institutional research training programs and research funding opportunities for faculty
(Recommended for Nonstudents)

SPEAKERS
- Edgardo Falcón-Morales, Ph.D., National Institute of General Medical Sciences, NIH, Bethesda, MD
- Shakira Nelson, Ph.D., National Institute of General Medical Sciences, NIH, Bethesda, MD

4:45 – 5:30 p.m.
Presentation Awards and Closing Remarks
(Recommended for All Attendees)

PRESENTERS
- Avery August, Ph.D., Cornell University, Ithaca, NY
- Irene Hulede, American Society for Microbiology, Washington, DC
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